15-151-10159-00-00

STATE OF KANSAS
STATE CORPORATION COMMISSION

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
800 Bitting Building
Wichita, Kansas

WELL PLUGGING RECORD

NORTH

Locate well correctly on above Section Plat

Pratt County. Sec. 5 Twp. 27S Rge. (E) 12 (W)

Location as "NE/CNW¼SW¼" or footage from lines NW/4 NW/4 SW/4

Lease Owner Skelly Oil Company

Lease Name G. L. Hoener Well No. 1

Office Address Box 1650, Tulsa, Oklahoma

Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole

Date well completed December 17, 1952

Application for plugging filed December 17, 1952

Application for plugging approved December 19, 1952

Plugging commenced January 21, 1953

Plugging completed February 3, 1953

Reason for abandonment of well or producing formation Dry Hole

If a producing well is abandoned, date of last production 19

Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes

Name of Conservation Agent who supervised plugging of this well Mr. M. A. Rives

Producing formation Depth to top Bottom Total Depth of Well 4304 Feet

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS — CASING RECORD

FORMATION	CONTENT	FROM	TO	OD SIZE	PUT IN	PULLED OUT
Simpson Sand	Dry	4224'	4290'	8-5/8"	447'0"	None
Arbuckle Lime	Dry	4290'	4304'	5-1/2"	4343'9"	2661'0"

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from feet to feet for each plug set.

Bridging plug	3790'
5 sacks of cement	3790' to 3770'
Mud laden fluid	3770' to 512'
100 sacks of cement	512' to 160'
Mud laden fluid	160' to 20'
5 sacks of cement	20' to 6'
Surface soil	6' to 0'

(If additional description is necessary, use BACK of this sheet)

Name of Plugging Contractor West Supply Company

Address Chase, Kansas

STATE OF Kansas, COUNTY OF Reno, ss.

H. E. Wamsley (employee of owner) ~~XXXXXXXXXXXXXX~~ of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature) H. E. Wamsley

Box 391, Hutchinson, Kansas
(Address)

SUBSCRIBED AND SWORN TO before me this 17th day of February, 1953

Josephine L. Johnson
Notary Public.

My commission expires April 7, 1955

24-2675-S 2-52—20M

RECEIVED
STATE CORPORATION COMMISSION
FEB 13 1953 2-13-53
CONSERVATION DIVISION
Wichita, Kansas

PLUGGING
FILE SEC 5 T 27 R 12W
BOOK PAGE 66 LINE 43

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS — Indicate Casing Points, Describe Shows of Oil, Gas and Water, etc.
Surface soil and sand	0	180	
Red bed and shale	180	452	Set and cemented 8-5/8" OD, 28#, SW thd., R-1, A.S. steel casing (0 cond.) at 452' with 250 sacks of cement and 4% acugel. Cement did not circulate. Ran 50' of 2" pipe behind 8-5/8" casing and cemented around top of 8-5/8" casing with 100 sacks of cement.
Red bed	452	500	
Red bed and shale	500	685	
Shale and shells	685	1260	
Salt and shale	1260	1700	
Lime	1700	2170	
Lime and shale	2170	2410	
Lime	2410	2530	
Shale and shells	2530	2595	
Lime and shale	2595	2925	
Lime	2925	3010	
Shale and lime	3010	3100	
Lime	3100	3250	
Lime and shale	3250	3340	
Lime	3340	3395	
Shale	3395	3440	
Lime	3440	3600	
Shale and lime	3600	3665	
Lime	3665	3782	TOP SYCAMORE LIME 3664'
			TOP VIOLA LIME 3678'
Fine crystalline lime	3782	3786	Pinhole to oolicastic porosity, spotty brown oil stain.
Lime	3786	3844	
Oolicastic lime	3844	3849	Spotty brown oil stain and dead oil
Lime	3849	3888	
Fine crystalline lime	3888	3896	Pin hole and oolicastic porosity, spotty brown oil stain, probably dead oil.
Lime	3896	4110	
Lime and chert	4110	4162	TOP ST. LOUIS LIME 4118'
			TOP SIMPSON SHALE 4196'
Tripolitic chert	4162	4183	Pin hole porosity and some vuggular porosity, good odor and free oil in wet sample.
			Ran Halliburton drill stem test, packer set at 4146', used 37' of anchor, open 1 hour, gas to surface in 23 minutes, good blow for 1 hour. Recovered 65' of gas cut mud, SIP-1160#.
Lime and chert	4183	4202	TOP SIMPSON DOLOMITE 4208'
Shale	4202	4220	
			TOP SIMPSON SAND 4224'

Cored from 4220' to 4263' - Recovered 43'

Top 4' - Shale

Next 3'6" - Friable, oil saturated sand, good odor
Next 6" - Sandy shale, very poor show of oil
Next 16' - Streaks of oil saturated sand, 1" to 6" thick at irregular intervals in sandy shale, bleeding oil in spots, total of approximately 8' oil saturated sand in this interval.
Next 4' - Sandy shale, bleeding oil in spots
Next 3' - Shale with small streaks of patchy white sand, very poor oil show
Next 6' - Shale with very thin streaks of sand, bleeding oil at scattered intervals of less than 1" thickness
Last 3' - Green shale

Cored from 4263' to 4270' - Recovered 7'
All shale

Drilled:			
Shale and lime	4270	4293	TOP ARBUCKLE LIME 4290'
Lime	4293	4295	
Tan, fine sucrosic to fine crystalline dolomite	4295	4300	No shows
			Set and cemented 5½" OD, 17#, 8R thd., R-1, South Chester L.S. steel casing (4 cond.) at 4297' OH with 200 sacks of Pozmix cement. Finished cementing at 5:00 a.m. 11/19/53.

Form 1017A Rev.

SKELLY OIL COMPANY

Well Record

Field	Entry
Lease Name and No.	C. L. Hoener
Well No.	1
Elev.	1883'RB / 1880'DF / 1875'BN
Lease Description	SW/4 Section 5-27S-12W, Pratt County, Kansas (160 Acres)
Location made	October 31, 19 52
by	Pratt County Engineer
feet from North line / feet from South line	330
feet from East line / feet from West line	330
of	SW/4 Sec. 5
Work com'd	11/1 19 52
Rig comp'd	11/2 19 52
Drlg. com'd	11/2 19 52
Drlg. comp'd	11/29 19 52
Rig Contractor	Chas. Hulme Drilling Company
Drilling Contractor	Chas. Hulme Drilling Company, Great Bend, Kansas
Rotary Drilling from	0' to 4298' SLM
Cable Tool Drilling from	4298' to 4304'
Commenced Producing	DRY HOLE 19
Initial Prod. before shot or acid	Bbls.
Initial Prod. after shot or acid	Bbls.
Dry Gas Well Press.	Volume Cu. ft.
Casing Head Gas Pressure	Volume Cu. ft.
Braden Head (Size) Gas Pressure	Volume Cu. ft.
Braden Head (Size) Gas Pressure	Volume Cu. ft.

PRODUCING FORMATION DRY HOLE (Name) Top Bottom TOTAL DEPTH 4304'

CASING RECORD

OD Size	Wt.	Thds.	Where Set	Pulled Out Jts.	Pulled Out Feet	Pulled Out In.	Left In Jts.	Left In Feet	Left In In.	Kind	Cond'n	Cementing Sacks Used	Cementing Method Employed
8-5/8"	28#	8T	452'				21	447	0	El Lw	C	250	Halliburton
5-1/2"	17#	8R	4297'	115	2661	0	72	1682	9	El Lw	A	200	Halliburton
(8-5/8" casing set 2' in cellar)													

Liner Set at Length Perforated at

Liner Set at Length Perforated at

Packer Set at Size and Kind

Packer Set at Size and Kind

SHOT OR ACID TREATMENT RECORD

	First	Second	Third	Fourth
Date	11/30/52	12/4/52	12/9/52	
Acid Used, Size Shot (Gals. / Qts.)			1500 Gals.	
Shot Between	4252 Ft. and 4256 Ft.	4222 Ft. and 4238 Ft.	4143 Ft. and 4183 Ft.	Ft. and Ft.
Size of Shell				For remaining treatments see remarks
Put in by (Co.)	Halliburton	Halliburton	Halliburton	
Length anchor				
Distance below Cas'g	(Hydrafrac)	(Hydrafrac)		
Damage to Casing or Casing Shoulder				

SIGNIFICANT GEOLOGICAL FORMATIONS

Name	Top	Bottom	Gas From	Gas To	Oil From	Oil To	Remarks
Brown Lime	3664'						PLUGGING
Lansing Lime	3678'						FILE SEC 5 T 27 R 12W
Mississippi Lime	4118'						BOOK PAGE 46 LINE 43
Viola Lime	4142'						
Simpson Shale	4196'						
Simpson Sand	4224'						
Arbuckle Lime	4290'						

CLEANING OUT RECORDS

	Date Commenced	Date Completed	Prod. Before	Prod. After	Remarks
1st					See Reverse for other details.
2nd					" " " " "
3rd					" " " " "
4th					" " " " "

PLUGGING BACK AND DEEPENING RECORDS

	Date Commenced	Date Completed	No. Feet Plugged Back or Deepened	Prod. Before	Prod. After	Remarks
1st						See Reverse for other details.
2nd						" " " " "
3rd						" " " " "
4th						" " " " "

(See Reverse for Record of Formation)

			Rigged up cable tools and bailed the hole dry on November 25, and shut down on account of snow storm. On November 28, drilled cement plug and cleaned out to bottom, and cement job and casing tested OK. Correction: 4300'SLM rotary table equals 4298'SLM derrick floor.
SLM	4300	4298	
			Ran Lane-Wells Gamma Ray Survey
Gray crystalline dolomite	4298	4301	No shows
Same	4301	4304	No shows
			Bailed and tested 3 hours, 3 barrels of water with very slight scum of oil per hour.

Set Lane-Wells bridging plug at 4292' and plugged back with crushed rock and cement from 4292' to 4275'. On November 29, perforated 5½" casing from 4252' to 4256' with 27 holes by Lane-Wells. Bailed and tested 8 hours, 1/2 gallon of oil and no water per hour. On November 30, ran 2" tubing and set Halliburton packer at 4195' and treated with Halliburton double Hydrafrac as follows:

HYDRAFRAC TREATMENT NO. 1 - Between 4252' and 4256'
Used 400# of Halliburton Gel
200 gallons of breaker agent
1500 gallons of kerosene
1200# of sand
Maximum TP-3800#, broke to 3200#
Time 14 minutes

Pulled tubing and packer and bailed and cleaned up hole. Swabbed through 5½" casing 11 hours, 116 barrels of oil used to Hydrafrac. Bailed and tested 13 hours, 12 gallons of oil used to Hydrafrac and 12 gallons of formation water per hour.

On December 3, set Lane-Wells bridging plug at 4244½' and plugged back with crushed rock to 4242'. Perforated 5½" casing from 4222' to 4238' with 96 holes by Lane-Wells, no shows. On December 4, ran 2" tubing with Halliburton BH packer and set packer at 4150'. Treated with Halliburton double Hydrafrac from 4222' to 4238' as follows:

HYDRAFRAC TREATMENT NO. 2 - Between 4222' and 4238'
Used 500# of Gel
20 gallons of breaker agent
1400# of sand
1500 gallons of kerosene
Maximum TP-2700#, broke to 1600#
Time 23 minutes

Pulled tubing and packer and bailed the hole clean. Swabbed out oil used to Hydrafrac, then bailed and tested 24 hours, 3½ barrels of oil and 10-3/4 barrels of water. On December 7, swabbed through 5½" casing 24 hours, 4-3/4 barrels of oil and 35 barrels of water.

On December 8, set Lane-Wells bridging plug at 4200' and plugged back from 4200' to 4190' with 3 gallons of crushed rock and 1 sack of cement. Perforated 5½" casing from 4143' to 4163' with 120 holes by Lane-Wells. Bailed and tested 10 hours, 1 pint of oil and 3 gallons of water per hour. On December 9, treated through 5½" casing with 1500 gallons of Halliburton 15% acid from 4143' to 4163' as follows:

ACID TREATMENT NO. 1 - Between 4143' and 4163'
Treatment put in 12/9/52 by Halliburton, using 1500 gallons of acid and 62 barrels of oil to fill and flush casing.

TIME	CP	TP	REMARKS
11:10 am			Start acid down casing
11:21 am			1500 gallons of acid in casing, start oil
11:35 am			1500 gallons of acid on bottom
11:37 am	500#		Hole loaded
12:30 pm	1000#		10 gallons of acid in formation
12:45 pm	1400#		15 gallons of acid in formation
12:50 pm	650#		500 gallons of acid in formation
12:54 pm	650#		1000 gallons of acid in formation
12:58 pm	700#		1500 gallons of acid in formation
1:00 pm	350#		Treatment completed

Swabbed through 5½" casing 13 hours, 128 barrels of oil and acid water (used in treating); then tested 1½ barrels of water with scum of oil per hour.

On December 10, set Lane-Wells bridging plug at 3930' and plugged back with crushed rock and cement to 3922'. Perforated 5½" casing from 3886' to 3898' with 71 holes by Lane-Wells. Swabbed through 5½" casing 12 hours, 6 barrels of oil and 67 barrels of water.

On December 11, set Lane-Wells bridging plug at 3832½' and perforated 5½" casing from 3876' to 3881' with 35 holes by Lane-Wells. Bailed and tested 10 hours, no shows. On December 12, treated through 5½" casing with 500 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 2 - Between 3876' and 3881'

Treatment put in 12/12/52 by Halliburton, using 500 gallons of acid and 109 barrels of oil to fill and flush.

TIME	CP	REMARKS
10:50 am		Started acid down casing
10:55 am		500 gallons of acid on bottom, started oil
11:30 am	500#	Hole loaded
11:42 am	700#	75 gallons of acid in formation
11:45 am	650#	300 gallons of acid in formation
11:47 am	450#	500 gallons of acid in formation

Swabbed out oil used in treating, then swabbed through 5½" casing 9 hours, 2 barrels of oil and 28 barrels of water. On December 13, set Lane-Wells bridging plug at 3865' and plugged back with crushed rock and cement to 3853'. Perforated 5½" casing from 3844' to 3849' with 30 holes by Lane-Wells. Bailed and tested 1½ hours, 4 gallons of water and no oil per hour. On December 14, treated through 5½" casing with 500 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 3 - Between 3844' and 3849'

Treatment put in 12/14/52 by Halliburton, using 90 barrels of oil to fill and flush hole, and 500 gallons of acid.

TIME	CP	REMARKS
8:00 am		Started acid down casing
8:05 am		500 gallons of acid in casing, start oil
8:35 am	1000#	Hole loaded
8:40 am	850#	20 gallons of acid in formation
8:45 am	650#	150 gallons of acid in formation
8:48 am	500#	500 gallons of acid in formation and treatment completed

Swabbed out oil used in treating, then swabbed 15 hours, 2 barrels of oil and 40 barrels of water. Set Lane-Wells bridging plug at 3828' and plugged back with crushed rock and cement from 3820' to 3820'. Perforated 5½" casing from 3796' to 3808' with 48 holes by Lane-Wells. Swabbed through 5½" casing 11 hours, 17 barrels of salt water, no oil. Set Lane-Wells bridging plug at 3790' and perforated 5½" casing from 3762' to 3766' with 33 holes by Lane-Wells, no shows. Treated through 5½" casing with 500 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 4 - Between 3762' and 3766'

Treatment put in 12/16/52 by Halliburton, using 500 gallons of acid and 75 barrels of oil to fill and flush.

TIME	CP	REMARKS
3:40 pm		Start acid down casing
4:18 pm	500#	Acid on bottom, start oil
4:22 pm	750#	90 gallons of acid in formation
4:24 pm	500#	250 gallons of acid in formation
4:26 pm	500#	500 gallons of acid in formation

Swabbed out oil and acid water used in treating, then swabbed through 5½" casing 5 hours, 23½ barrels of salt water and no oil. While swabbing, hole filled 1940' with salt water. Bailed 5 hours and could not lower fluid level. Hole filled 2300' with water. Since all probable pay zones in the well have been tested at this time, yielding no commercial amount of oil, regular authority was granted to plug and abandon the well.

On January 21, 1953, moved in tools of West Supply Company and plugged the well as follows:

5 sacks of cement 3790' to 3770'

Shot off 5½" casing at 3200', 3100', and 3000'. Pulled on casing and coupling pulled off at 365'. Pulled 16 joints of 5½" casing, 17#, 8R thd., R-1, South Chester L.W. (S cond.). Ran 365' of 5½" casing with overshot fishing tool, caught pipe and while pulling, lost hold on casing. Pulled 365' of 5½" casing and fishing tool to check fishing tool. Repaired slips in tool. Ran 365' of 5½" casing with Baasch-Ross fishing tool. Took hold of 5½" casing and spotted 70 barrels of oil. Tried to pull casing and it would not move. Spotted 70 barrels of oil and tried to pull 5½" casing, would not pull.

Ran one quart of nitroglycerin to 2900' and shot would not go off. Ran another quart of nitroglycerin, would not go below 2056'. Discharged both shots, but did not shoot off casing. Ran one quart of nitroglycerin to 2030' and shot discharged, shooting off casing at this point.

Pulled 115 joints (2661') of 5½"OD, 17#, 8R thd., R-1, South Chester, L.W. steel casing (S cond.). Finished plugging as follows:

Mud laden fluid	3770' to 512'
100 sacks of cement	512' to 160'
Mud laden fluid	160' to 20'
5 sacks of cement	20' to 6'
Surface soil	6' to 0'

Plugged and abandoned February 3, 1953.

WATER ANALYSIS

Pawhuska Research Laboratory

Sample Serial No.: 6462
Sample taken from depth: 3796' to 3808'
Date Secured: December 16, 1952
Date Received: December 22, 1952
Analysis Completed: December 24, 1952

	PPM
Chlorides as Cl.	69,120
Sulfates as SO_4.	2,420
Chlorides as NaCl.	114,090
Sulfates as $CaSO_4$.	3,430

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Sample Serial No.: 6463
Sample taken from: 3844' to 3849'
Date Secured: December 16, 1952
Date Received: December 22, 1952
Analysis Completed: December 24, 1952

	PPM
Chlorides as Cl.	124,780
Sulfates as SO_4.	224
Chlorides as NaCl.	205,690
Sulfates as $CaSO_4$.	320

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Sample Serial No: 6464
Date Secured: December 16, 1952 Depth Taken: 3876' to 3881'
Date Received: December 22, 1952
Analysis Completed: December 24, 1952

	PPM
Chlorides as Cl.	126,600
Sulfates as SO_4.	154
Chlorides as NaCl.	208,670
Sulfates as $CaSO_4$.	220

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Sample Serial No: 6466
Date Secured: December 17, 1952 Depth Taken: 3782' to 3786'
Date Received: December 22, 1952
Analysis Completed: December 24, 1952

Chlorides as Cl.	126,000
Sulfates as SO_4.	340
Chlorides as NaCl.	207,680
Sulfates as $CaSO_4$.	480

SLOPE TEST DATA

DEPTH	ANGLE OF DEFLECTION
500'	0 Degrees
750'	0 "
1000'	0 "
1250'	0 "
1500'	1/2 "
2000'	1/2 "
2250'	1/2 "
2500'	1/2 "
3070'	1/2 "
3640'	0 "